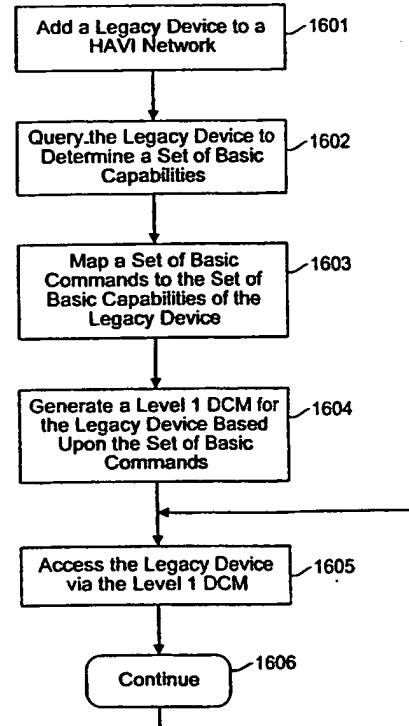




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : H04L 12/28, 29/06		A3	(11) International Publication Number: WO 99/35856
			(43) International Publication Date: 15 July 1999 (15.07.99)
<p>(21) International Application Number: PCT/US98/26166</p> <p>(22) International Filing Date: 9 December 1998 (09.12.98)</p> <p>(30) Priority Data: 09/003,252 6 January 1998 (06.01.98) US</p> <p>(71) Applicant: SONY ELECTRONICS, INC. [US/US]; 1 Sony Drive, Park Ridge, NJ 07656 (US).</p> <p>(72) Inventor: LEA, Rodger, J.; 210 & 1/2 16th Street, San Jose, CA 95113 (US).</p> <p>(74) Agents: GALENISON, Mavis, S. et al.; Ladas & Parry, Suite 2100, 5670 Wilshire Boulevard, Los Angeles, CA 90036-5679 (US).</p>			<p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p> <p>(88) Date of publication of the international search report: 26 August 1999 (26.08.99)</p>
<p>(54) Title: AN AUDIO VIDEO NETWORK</p> <p>(57) Abstract</p> <p>A method and system for providing seamless interoperability and integration between a plurality of devices in a network using a common protocol, wherein at least one of the devices is a legacy device which communicates with the network using a proprietary protocol. When a legacy device is coupled to the network, one of the plurality of devices on the network queries the legacy device via the proprietary protocol to determine a set of basic capabilities supported by the legacy device. The set of basic capabilities are then mapped from the proprietary protocol to a set of basic commands from the common protocol. A control module is generated for the legacy device, wherein the control module is based upon the set of basic commands. The set of basic capabilities of the legacy device are then accessed via the control module, thereby providing seamless interoperability and integration of the legacy device with the plurality of devices.</p>			



FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav Republic of Macedonia	TM	Turkmenistan
BF	Burkina Faso	GR	Greece	ML	Mali	TR	Turkey
BG	Bulgaria	HU	Hungary	MN	Mongolia	TT	Trinidad and Tobago
BJ	Benin	IE	Ireland	MR	Mauritania	UA	Ukraine
BR	Brazil	IL	Israel	MW	Malawi	UG	Uganda
BY	Belarus	IS	Iceland	MX	Mexico	US	United States of America
CA	Canada	IT	Italy	NE	Niger	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NL	Netherlands	VN	Viet Nam
CG	Congo	KE	Kenya	NO	Norway	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NZ	New Zealand	ZW	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's Republic of Korea	PL	Poland		
CM	Cameroon	KR	Republic of Korea	PT	Portugal		
CN	China	KZ	Kazakhstan	RO	Romania		
CU	Cuba	LC	Saint Lucia	RU	Russian Federation		
CZ	Czech Republic	LI	Liechtenstein	SD	Sudan		
DE	Germany	LK	Sri Lanka	SE	Sweden		
DK	Denmark	LR	Liberia	SG	Singapore		
EE	Estonia						

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 98/26166

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 6 H04L12/28 H04L29/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 H04L H04N H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>CHILD J: "INTELLIGENT HOME TECHNOLOGY LOOKS FOR LEVERAGE FROM RELATED MARKETS" COMPUTER DESIGN, vol. 36, no. 12, 1 December 1997, pages 85-87, XP000754856 see page 87, middle column, line 30 - right-hand column, line 34</p> <p>---</p> <p>EVANS G: "CEBus. Defining the future of residential communications" AUSTRALIAN ELECTRONICS ENGINEERING, MARCH 1997. REED BUSINESS PUBLISHING, AUSTRALIA, vol. 30, no. 3. pages 34-36, 38. XP002105591 ISSN 0004-9042 see page 36. left-hand column. line 10 - middle column, line 7 see page 38, left-hand column, line 4-10</p> <p>---</p> <p>---</p>	1,5,15
A		1,5,15

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"Z" document member of the same patent family

Date of the actual completion of the international search

11 June 1999

Date of mailing of the international search report

08/07/1999

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Dupuis, H

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 98/26166

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 467 587 A (TOKYO SHIBAURA ELECTRIC CO) 22 January 1992 see column 1, line 11-42 see column 2, line 55 - column 5, line 5 -----	1,5,15

INTERNATIONAL SEARCH REPORT

Information on patent family members

Int'l. Application No.

PCT/US 98/26165

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
EP 0467587	A	22-01-1992	JP 4077195 A	11-03-1992
			JP 2662614 B	15-10-1997
			JP 4273795 A	29-09-1992
			KR 121329 B	20-11-1997
			US 5473317 A	05-12-1995

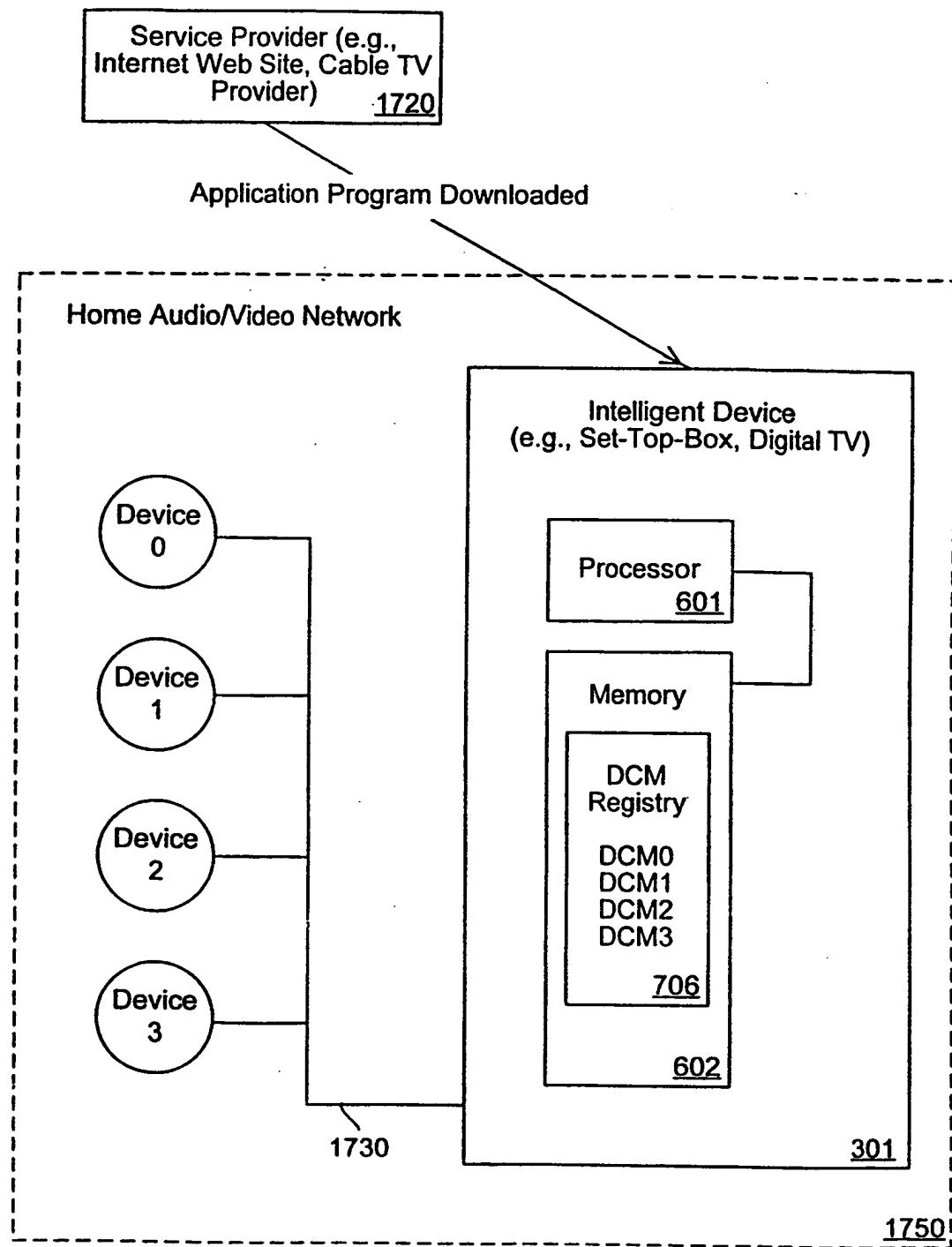


FIG. 17B